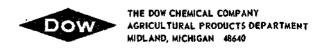
item D Number	04212	Not Scanned
Author		
Corporate Author		
Report/Article Title	Sales Specification Forms and Notes Describing Herbicide Orange	
Journal/Book Title		
Year	0000	
Month/Day		
Color		
Number of Images	5	
Descripton Notes		

Barry Bird requested that these be sent

to you.

SALES SPECIFICATION

AGRICULTURAL PRODUCTS



SPECIFICATION		SUPERSEDES		METHOD OF ANALYSIS
NUMBER	DATE	. NUMBER	DATE	
21315	11/17/69	21315	7/15/69	20706

2, 4-DICHLOROPHENOXYACETIC ACID, BUTYL ESTERS

2, 4-Dichlorophenoxyacetic acid, butyl esters, minimum

98.8%

2, 4-Dichlorophenoxyacetic acid equivalent, minimum

78.8 %

Acidity as 2, 4-dichlorophenoxyacetic acid, maximum

0.25%

A - 33"

4.94

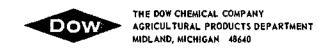
AND THE

Purchase California

THE POLICY OF THE DOW CHEMICAL COMPANY IS ONE OF CONTINUED IMPROVEMENTS BY RESEARCH AND MANUFACTURING WHEREVER POSSIBLE TO ASSURE A STILL FINER PRODUCT. HENCE, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SALES SPECIFICATION

AGRICULTURAL PRODUCTS



SPECIFICATION		SUPERSEDES		METHOD OF ANALYSIS
NUMBER	DATE	NUMBER	DATE	
87554	2/21//0	29019	2/28/60	87554a
01334	3/31/69	27017	1 4/40/00	

2, 4, 5-TRICHLOROPHENOXYACETIC ACID, BUTYL ESTERS

2, 4, 5-Trichlorophenoxyacetic acid, butyl esters minimum	97.5%
2, 4, 5-Trichlorophenoxyacetic acid equivalent, minimum	80.0%
Acidity as 2, 4, 5-Trichlorophenoxyacetic acid,	
maximum	2.0%

Vescription of Orange Orange consists of a 50-50 must meeting (values / values) of 2,4,5-1. 2,4-D theoretically makes up 48.5% weight 1 to chvical 7,4-D. The acid equinalent of 18.8% = 37.8% The specific growth of Drange vanges from 1.275-1.295 while the weight of Orange per gallon is 10.75 pourols. 18.8 × 10.75 = 4.645 2,4.Dacid gum. 2,4,5-1 makes up 51.5% by weight. The purity of 2,4,5-T was 97.5% And these 97.5% X 50.3% = 50.2% Technical ester. The acid government 1 2,4,5. T is 80%. Thus 80 x 50.2 - 40.2% 40.2×10.75 = 4.30 16/90. 4.30 + 4.05 = 8.35 lb ai/gallon Ivange Contains a small percentage of butyl alibhol of Butyl ester monty.

7,4-D 025% per acid = 0268 bai 2,4,5-7 Fran Acid - 2150 16 ai 2,4-12 ac from Esters = 4.1847 2,4,57 ·· · · · = 4,1925 8. 6190 ActivE ingredient 2,4,5-T = 4.4075 2,4-D = 4.21158,6190 MAXIMUM POSSIBLE VALUE 2, 4,5 -T = 4.300 11 900 = 02154 2,4=D=4.336" and = 0.027 * Total = 8.778
